

(43) Date of publication of application: **27.09.1982**

(21) Application number: **56041028**
(22) Date of filing: **20.03.1981**

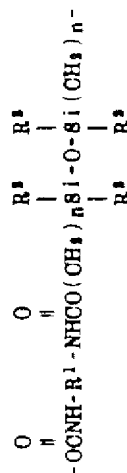
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(57) Abstract:

der 4kg/cm² pressure is 1.08m³/m².day. These properties of the membrane rarely change even after percolation in hot water and the membrane is highly resistant to heat.

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CONSTITUTION: A dimethyl sulfoxide soln. of bis(hydroxyethyl)tetramethyl disiloxane is added to a methyl isobutyl ketone soln. of diphenylmethane diisocyanate and the mixed soln. is heated under stirring in gaseous nitrogen flow, and is allowed to react for 5hr at 100°C. The resultant viscous soln. is charged into a large column of water to allow polymer to deposit. After the filtered polymer is dried, it is dissolved together with LiCl in N-methyl-2-pyrrolidone whereby a filming soln. is prepd. This soln. is cast and coated on a glass sheet, and is immediately immersed in cold water, whereby a permeable membrane of 167μ is obtd. This membrane consists of the poly(urethane/disiloxane) having the repetitive units expressed by the general formulal, and the rate of permeation of pure water through this membrane un-



(但し、 R^1 は2価の有機基、 R^2 はそれぞれ独立に1価のアシル基又は芳香族基、 n は1～4の整数を示す。)